Karapet Nersisyan

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Senior Front-End Engineer with 5+ years building scalable web apps in fast-paced environments. Proven ability to modernize legacy systems, ship AI-enhanced features, and lead cross-functional tech migrations. Specialized in React, Next.js, TypeScript, and Tailwind CSS with a focus on performance, team enablement, and developer efficiency.

Experience Highlights

Clerkie | Remote | Front-End Engineer | June 2023 to May 2025
- **Upgraded Codebase with TypeScript**: Successfully refactored the entire codebase from JavaScript to TypeScript, resulting in a 20% reduction in bugs and significantly enhancing code maintainability and developer productivity.
- **Tech Stack Transformation**: Spearheaded a comprehensive revamp of the tech stack by introducing React Query and Tailwind CSS, improving user experience and streamlining development processes, leading to a 20% increase in efficiency.
- **Custom AI Tool Development**: Collaborated on the creation of a custom AI tool that automates the design-to-code conversion process, achieving 80% faster turnaround times in the development workflow.
- **Enhanced Documentation Process**: Implemented a full-stack documentation system from inception, improving clarity and accessibility of resources. Integrated advanced AI functionalities, elevating the user experience and streamlining onboarding for new developers.
- **Shared Component System Overhaul and Ownership**: Revamped and took full ownership of the shared component library, introducing streamlined configurations for a complex table component that allowed developers to use it out of the box with minimal setup. This resulted in a 40% improvement in development efficiency, while ensuring the library's ongoing efficiency, reliability, and up-to-date features across all teams, fostering better collaboration and streamlined processes.

in-House | Remote | Front-End Engineer | April 2021 to June 2023
- **Legacy Code Modernization**: Refactored legacy code to adopt modern technologies and best practices, enhancing code readability and scalability.
- **Responsive Design Assurance**: Ensured compatibility and responsiveness of the application across various devices and browsers, optimizing the user experience.
- **Performance Optimization**: Implemented strategies to optimize application performance and load times, significantly enhancing overall efficiency.
- **Code Review Participation**: Actively participated in code reviews to maintain code quality and uphold best practices, ensuring a maintainable and reliable codebase.

Glendale Community College | Glendale, California | Teacher Assistant | September 2017 to June 2020
- **Student Support and Mentorship**: Supported over 50 students in learning web development strategies and building websites, fostering their technical skills and understanding.
- **Project Walkthrough Development**: Created and delivered comprehensive project walkthroughs, enhancing students' practical skills and deepening their understanding of web development concepts.

Brick Motion | Armenia, Gyumri | Front-End Engineer | Jul 2014 - Jun 2016
- **Website Development Leadership**: Played a key role in the development of the company website, ensuring the timely and on-budget completion of both in-house and freelance projects.
- **Component Development and Code Refactoring**: Developed various website components and led efforts to refactor outdated code, incorporating emerging technologies to enhance performance and reduce downtime.

Projects

AI Design-to-Code Tool | Clerkie - built/w Next.JS, TypeScript, ChatGPT API, Figma's DevTools – Created a custom AI tool for automating design-to-code conversions, reducing the turnaround time by 70%. Improved developer productivity and enabled rapid prototyping.

Game-Zone - built/w Next.JS, TypeScript, React-Query, Tailwind, Firebase, and Framer Motion – *Repository*, *Live Site*

Markdown Notes App - built/w Next.JS, Tailwind CSS, and Firebase – *Repository*, *Live Site*

Education/Certifications

Studies in Front End Development, Glendale Community College (June 2020)
- Relevant Coursework: *Programming Basics, Advanced Java, Advanced C++, Web Development.*

Certificate in Web Development, Gyumri Technology Center

Front End Certificate, Meta

Technical Skills

HTML, CSS, SASS, JavaScript (ES6+), TypeScript, React, Next.js, Redux, React Query, Tailwind CSS, Framer Motion, Three.js, Node.js, Express, Mongoose, Firebase, REST APIs, Git, Jest, Storybook

Languages

Armenian: Native | **English:** Fluent | **Russian:** Proficient | **Italian:** Beginner